

Product datasheet for **RR215195**

Gstt3 (NM_001137643) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Gstt3 (NM_001137643) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Gstt3
Synonyms: RGD1562732
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR215195 representing NM_001137643
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGGAGGGAAGACTGGGATCGAGCTCCGATCGAGGCTAAGAAGCACTGAAGGACTAAGACCCAGCCGTT
 CCTGCTCGCCGTTGCAGCTGCTTCTGCCTCTGTCCACCGAGGCAGTTCACCCGAGGCCGATCTCCGAGGT
 CTGCCAGCGGCTACTTCCACAGCCTCCGCCATGGGTCTGGAGCTCTACCTGGACCTGATGTCCCAGCCC
 TGCCGTGCCGTACATCTTCGCAAGAAGAACGGCATCCCTTCCAGCTGCGTACCATCGAGCTGCTTA
 AAGGTCAGCATTACACTGATGCCTTTGCCAGGTGAACCTTTGAGGAAGGTGCCGGCTTTGAAGGATGG
 GGACTTCGCTTTGGCAGAGAGTGTGGCCATCTTGCTGTATTTGAGTAGAAAGTACAAGGCACCTGACCAC
 TGGTACCCTCAGGACCTACAGACCCGAGCTCGTGTGGATGAGTACCTGGCTTGGCAGCACACAGCCCTGC
 GGAGCTGTTGCAGAGGGCCATGTGGCAGAAGGTGACCTGTGAGTGTGGCTGCAAAATCTTCGAGAGCC
 GACCCAACTGGCTGCGTGGCGTCAGCGGGTGAAGCCGAGTGGGGGAGAGCCTTCCAGGAGGCCCA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR215195 representing NM_001137643
Red=Cloning site Green=Tags(s)

MGGKTGIELRSLRSTEGRLRPSRSCSPLQLLLPLSTEAVHPRPISEVCQRLLPASAMGLELYLDLMSQP
 CRAVYIFAKKNGIPFQLRTIELLKQHYTDAFAQVNPLRKVPALKDGFVLAESVAILLYLSRKYKAPDH
 WYPQDLQTRARVDEYLAWQHTALRSCSRAMWQKVTCQWLQNLREPTQTGCVASAGGSRSGGEPLPGGP

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

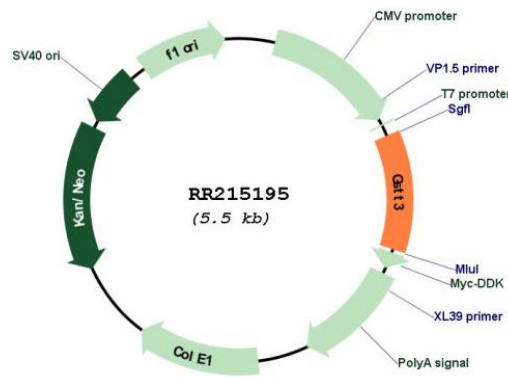
Restriction Sites: SgfI-MluI



Cloning Scheme:



Plasmid Map:



ACCN: NM_001137643

ORF Size: 630 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

RefSeq: NM_001137643.1, NP_001131115.1

RefSeq Size: 1785 bp

RefSeq ORF: 633 bp

Locus ID: 499422

Cytogenetics: 20p12

MW: 23.4 kDa